

Docket No.: 246152019901  
(PATENT)

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Dated: 10-29-03

Signature: [Signature] (Michael Boyd)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Mieke SIBEIJN and Robertus Mattheus DE PATER

Application No.: 10/029,316

Art Unit: 1651

Filed: December 20, 2001

Examiner: F. Prats

For: ISOLATION OF CAROTENOID CRYSTALS  
FROM MICROBIAL BIOMASS

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**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the non-final Office Action dated May 29, 2003 (Paper No. 2) in the above-referenced application. Filed herewith is a Petition and fee for a 2 month extension of time, thereby extending the deadline for response to October 29, 2003. Accordingly, this response is timely filed.

Applicants have given careful consideration to the grounds for rejection. The following amendments and remarks are believed to place this application in condition for allowance, which is respectfully requested.



41

16878

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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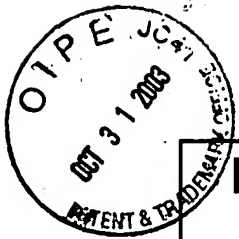
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/029,316	
	Filing Date	December 20, 2001	
	First Named Inventor	Mieke SIBEIJN	
	Art Unit	1651	
	Examiner Name	F. Prats	
Total Number of Pages in This Submission	12	Attorney Docket Number	246152019901

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form + duplicate for Fee Processing (2 pages) <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (8 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request (1 page) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return postcard
Remarks  Customer No. 25225		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MORRISON & FOERSTER LLP Karen R. Zachow, Ph.D. - 46,332
Signature	
Date	October 29, 2003

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Dated: 10-29-03	Signature:  (Michael Boyd)



Use in lieu of PTO/SB/17 (08-03)  
(Form updated to reflect FY 2004 fees effective 10/1/03)

FEE TRANSMITTAL for FY 2004		Complete if Known	
Effective 10/01/2003, Patent fees are subject to annual revision.		Application Number	10/029,316
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	December 20, 2001
TOTAL AMOUNT OF PAYMENT (\$)		First Named Inventor	Mieke SIBEIJN
420.00		Examiner Name	F. Prats
		Art Unit	1651
		Attorney Docket No.	246152019901
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		3. ADDITIONAL FEES	
<input checked="" type="checkbox"/> Deposit Account:		Large Entity Small Entity	
Deposit Account Number 03-1952		Fee Code Fee (\$)	
Deposit Account Name Morrison & Foerster LLP		Fee Code Fee (\$)	
The Director is authorized to: (check all that apply)		Fee Description	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments		Fee Paid	
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application			
<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.			
FEE CALCULATION			
1. BASIC FILING FEE			
Large Entity Small Entity			
Fee Code Fee (\$)			
1001 770 2001 385 Utility filing fee			
1002 340 2002 170 Design filing fee			
1003 530 2003 265 Plant filing fee			
1004 770 2004 385 Reissue filing fee			
1005 160 2005 80 Provisional filing fee			
SUBTOTAL (1) (\$)		0.00	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			
Total Claims 13 -20 = 0 x 18 =			
Independent Claims 1 -3 = 0 x 84 =			
Multiple Dependent			
Large Entity Small Entity			
Fee Code Fee (\$)			
1202 18 2202 9 Claims in excess of 20			
1201 86 2201 43 Independent claims in excess of 3			
1203 290 2203 145 Multiple dependent claim, if not paid			
1204 86 2204 43 ** Reissue independent claims over original patent			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2) (\$)		0.00	
**or number previously paid, if greater; For Reissues, see above			
SUBMITTED BY		(Complete if applicable)	
Name (Print/Type) Karen R. Zachow, Ph.D.		Registration No. (Attorney/Agent)	46,332
Signature		Telephone	(858) 720-5191
Date		October 29, 2003	

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